

**Devon Energy  
Spud 16 State 8H**

**Section 16, Township 23S, Range 29E  
Eddy County, New Mexico**

**CLOSURE REPORT  
NAB1909135211  
2RP-5323**

**30-015-40038**

**April 7, 2020**



**Prepared for:  
Devon Energy Production Company  
6488 Seven Rivers Highway  
By:**

**Safety & Environmental Solutions, Inc.  
703 East Clinton Street  
Hobbs, New Mexico 88240  
(575) 397-0510**

**I. Company Contacts**

Representative	Company	Telephone	E-mail
Tom Bynum	Devon Energy Corporation	580-748-1613	<a href="mailto:Tom.Bynum@devn.com">Tom.Bynum@devn.com</a>
Bob Allen	SESI	575-397-0510	<a href="mailto:ballen@sesi-nm.com">ballen@sesi-nm.com</a>

**II. Background**

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Devon Energy Corporation to assess and remediate a spill area at the Spud 16 State 8H.

According to the C-141, the cause of release was a broken site glass on the heater treater. The affected area measured approximately 125' x 30' and all fluids remained on location.

**III. Surface and Ground Water**

There is no record of depth to groundwater in the immediate vicinity of the site location. Further research of the New Mexico Office of the State Engineer records indicates the average depth to groundwater for the area to be 31' bgs.

**IV. Characterization**

As noted in the Workplan approval email sent by Robert Hamlet of NMOCD via email on 10/2/2019, the target levels for closure criteria are 600mg/kg for chlorides, 100 mg/kg for TPH, 50 mg/kg for BTEX, and 10 mg/kg for Benzene.

**V. Work Performed**

Based on the recommendation of NMOCD-approved workplan, SESI performed the remediation by removing all contaminated material and disposing of the material in an OCD-approved landfill. Approximately, 700 yds<sup>3</sup> of material were removed and the excavated area was backfilled with approximately the same amount of backfill. Twenty-two confirmation samples were obtained and sent to the lab for testing for backfill was completed. The results of the sampling are captured in the table below:

Sample ID	Chloride	DRO	MRO	GRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
SP1 @ W WALL	350	ND	ND	ND	ND	ND	ND	ND
SP2 @ N WALL	340	ND	ND	ND	ND	ND	ND	ND
SP3 @ BTM 1'	350	ND	ND	ND	ND	ND	ND	ND
SP4 @ S WALL	150	ND	ND	ND	ND	ND	ND	ND
SP5 @ BTM 1'	160	ND	ND	ND	ND	ND	ND	ND
SP6 @ N WALL	160	ND	ND	ND	ND	ND	ND	ND
SP7 @ S WALL	71	ND	ND	ND	ND	ND	ND	ND
SP8 @ N WALL	400	ND	ND	ND	ND	ND	ND	ND
SP9 @ BTM 1'	400	ND	ND	ND	ND	ND	ND	ND
SP10 @ BTM 1'	400	ND	ND	ND	ND	ND	ND	ND
SP11 @ BTM 1'	340	ND	ND	ND	ND	ND	ND	ND
SP12 @ N WALL	330	ND	ND	ND	ND	ND	ND	ND
SP13 @ BTM 1.5'	150	24	ND	ND	ND	ND	ND	ND
SP14 @ S WALL	160	11	ND	ND	ND	ND	ND	ND
SP15 @ N WALL	330	ND	ND	ND	ND	ND	ND	ND
SP16 @ BTM 1.5'	160	14	ND	ND	ND	ND	ND	ND
SP17 @ S WALL	150	ND	ND	ND	ND	ND	ND	ND
SP18 @ N WALL	150	12	ND	ND	ND	ND	ND	ND
SP19 @ BTM 1'	100	ND	ND	ND	ND	ND	ND	ND
SP20 @ S WALL	69	ND	ND	ND	ND	ND	ND	ND
SP21 @ BTM 1'	400	ND	ND	ND	ND	ND	ND	ND
SP22 @ BTM 1'	340	ND	ND	ND	ND	ND	ND	ND

## VI. Conclusion

Due to all confirmation samples meeting the closure criteria established in the approved workplan, SESI, on behalf of Devon, recommends no further remediation activities.

Therefore, SESI respectfully submits this closure report as evidence that the closure criteria have been met and also requests closure approval.

## VII. Supporting Documentation for Closure

C-141, page 6 for closure  
 Closure map with confirmation samples  
 Photos of excavation prior to backfill  
 Laboratory Analysis

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: Tom Bynum Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



# Devon, Spud 16 State 8H

DEV-19-002  
Eddy County, NM  
NAB1909135211  
2RP-5323

## Legend

- Excavation area 1
- Excavation area 2 (blue)
- Pipeline
- Confirmation samples























Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

March 02, 2020

Bob Allen  
Safety & Environmental Solutions  
PO Box 1613  
Hobbs, NM 88241  
TEL: (575) 397-0510  
FAX: (575) 393-4388

RE: Devon Spud 16 State 8H 2RP 5323

OrderNo.: 2002981

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 22 sample(s) on 2/22/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-1 West Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/18/2020 9:50:00 AM

Lab ID: 2002981-001

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	350	60		mg/Kg	20	2/28/2020 2:56:26 PM	50753
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/26/2020 5:50:49 PM	50643
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/26/2020 5:50:49 PM	50643
Surr: DNOP	140	55.1-146		%Rec	1	2/26/2020 5:50:49 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/27/2020 11:51:16 PM	50631
Surr: BFB	83.0	66.6-105		%Rec	1	2/27/2020 11:51:16 PM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.098		mg/Kg	1	2/27/2020 11:51:16 PM	50631
Benzene	ND	0.025		mg/Kg	1	2/27/2020 11:51:16 PM	50631
Toluene	ND	0.049		mg/Kg	1	2/27/2020 11:51:16 PM	50631
Ethylbenzene	ND	0.049		mg/Kg	1	2/27/2020 11:51:16 PM	50631
Xylenes, Total	ND	0.098		mg/Kg	1	2/27/2020 11:51:16 PM	50631
Surr: 4-Bromofluorobenzene	92.6	80-120		%Rec	1	2/27/2020 11:51:16 PM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-2 North Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/18/2020 9:55:00 AM

Lab ID: 2002981-002

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	340	59		mg/Kg	20	2/28/2020 3:08:47 PM	50753
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/26/2020 6:12:46 PM	50643
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/26/2020 6:12:46 PM	50643
Surr: DNOP	111	55.1-146		%Rec	1	2/26/2020 6:12:46 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/28/2020 12:14:34 AM	50631
Surr: BFB	81.6	66.6-105		%Rec	1	2/28/2020 12:14:34 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	2/28/2020 12:14:34 AM	50631
Benzene	ND	0.024		mg/Kg	1	2/28/2020 12:14:34 AM	50631
Toluene	ND	0.048		mg/Kg	1	2/28/2020 12:14:34 AM	50631
Ethylbenzene	ND	0.048		mg/Kg	1	2/28/2020 12:14:34 AM	50631
Xylenes, Total	ND	0.096		mg/Kg	1	2/28/2020 12:14:34 AM	50631
Surr: 4-Bromofluorobenzene	89.7	80-120		%Rec	1	2/28/2020 12:14:34 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-3 Bottom 1ft

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/18/2020 10:10:00 AM

Lab ID: 2002981-003

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	350	60		mg/Kg	20	2/28/2020 3:45:50 PM	50753
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/26/2020 6:34:38 PM	50643
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/26/2020 6:34:38 PM	50643
Surr: DNOP	136	55.1-146		%Rec	1	2/26/2020 6:34:38 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/28/2020 12:37:52 AM	50631
Surr: BFB	82.5	66.6-105		%Rec	1	2/28/2020 12:37:52 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/28/2020 12:37:52 AM	50631
Toluene	ND	0.046		mg/Kg	1	2/28/2020 12:37:52 AM	50631
Ethylbenzene	ND	0.046		mg/Kg	1	2/28/2020 12:37:52 AM	50631
Xylenes, Total	ND	0.093		mg/Kg	1	2/28/2020 12:37:52 AM	50631
Surr: 4-Bromofluorobenzene	91.7	80-120		%Rec	1	2/28/2020 12:37:52 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-4 South Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 1:00:00 PM

Lab ID: 2002981-004

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	150	60		mg/Kg	20	2/28/2020 3:58:11 PM	50753
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	2/26/2020 6:56:35 PM	50643
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	2/26/2020 6:56:35 PM	50643
Surr: DNOP	152	55.1-146	S	%Rec	1	2/26/2020 6:56:35 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/28/2020 1:47:46 AM	50631
Surr: BFB	79.5	66.6-105		%Rec	1	2/28/2020 1:47:46 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/28/2020 1:47:46 AM	50631
Toluene	ND	0.048		mg/Kg	1	2/28/2020 1:47:46 AM	50631
Ethylbenzene	ND	0.048		mg/Kg	1	2/28/2020 1:47:46 AM	50631
Xylenes, Total	ND	0.097		mg/Kg	1	2/28/2020 1:47:46 AM	50631
Surr: 4-Bromofluorobenzene	88.1	80-120		%Rec	1	2/28/2020 1:47:46 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-5 Bottom 1ft

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 12:30:00 PM

Lab ID: 2002981-005

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	160	60		mg/Kg	20	2/28/2020 4:10:32 PM	50753
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	2/26/2020 8:02:00 PM	50643
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	2/26/2020 8:02:00 PM	50643
Surr: DNOP	130	55.1-146		%Rec	1	2/26/2020 8:02:00 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/28/2020 2:11:00 AM	50631
Surr: BFB	82.4	66.6-105		%Rec	1	2/28/2020 2:11:00 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/28/2020 2:11:00 AM	50631
Toluene	ND	0.046		mg/Kg	1	2/28/2020 2:11:00 AM	50631
Ethylbenzene	ND	0.046		mg/Kg	1	2/28/2020 2:11:00 AM	50631
Xylenes, Total	ND	0.093		mg/Kg	1	2/28/2020 2:11:00 AM	50631
Surr: 4-Bromofluorobenzene	92.2	80-120		%Rec	1	2/28/2020 2:11:00 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-6 North Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 11:25:00 AM

Lab ID: 2002981-006

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	160	60		mg/Kg	20	2/28/2020 4:22:53 PM	50753
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/26/2020 8:23:56 PM	50643
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/26/2020 8:23:56 PM	50643
Surr: DNOP	125	55.1-146		%Rec	1	2/26/2020 8:23:56 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/28/2020 2:34:12 AM	50631
Surr: BFB	78.3	66.6-105		%Rec	1	2/28/2020 2:34:12 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/28/2020 2:34:12 AM	50631
Toluene	ND	0.047		mg/Kg	1	2/28/2020 2:34:12 AM	50631
Ethylbenzene	ND	0.047		mg/Kg	1	2/28/2020 2:34:12 AM	50631
Xylenes, Total	ND	0.095		mg/Kg	1	2/28/2020 2:34:12 AM	50631
Surr: 4-Bromofluorobenzene	87.8	80-120		%Rec	1	2/28/2020 2:34:12 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-7 South Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 11:15:00 AM

Lab ID: 2002981-007

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	71	60		mg/Kg	20	2/28/2020 4:35:14 PM	50753
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/26/2020 8:45:49 PM	50643
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/26/2020 8:45:49 PM	50643
Surr: DNOP	112	55.1-146		%Rec	1	2/26/2020 8:45:49 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/28/2020 2:57:26 AM	50631
Surr: BFB	80.6	66.6-105		%Rec	1	2/28/2020 2:57:26 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/28/2020 2:57:26 AM	50631
Toluene	ND	0.048		mg/Kg	1	2/28/2020 2:57:26 AM	50631
Ethylbenzene	ND	0.048		mg/Kg	1	2/28/2020 2:57:26 AM	50631
Xylenes, Total	ND	0.096		mg/Kg	1	2/28/2020 2:57:26 AM	50631
Surr: 4-Bromofluorobenzene	90.6	80-120		%Rec	1	2/28/2020 2:57:26 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-8 North Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 11:00:00 AM

Lab ID: 2002981-008

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	400	60		mg/Kg	20	2/28/2020 4:47:35 PM	50753
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/26/2020 9:07:42 PM	50643
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/26/2020 9:07:42 PM	50643
Surr: DNOP	116	55.1-146		%Rec	1	2/26/2020 9:07:42 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/28/2020 3:20:38 AM	50631
Surr: BFB	80.7	66.6-105		%Rec	1	2/28/2020 3:20:38 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/28/2020 3:20:38 AM	50631
Toluene	ND	0.047		mg/Kg	1	2/28/2020 3:20:38 AM	50631
Ethylbenzene	ND	0.047		mg/Kg	1	2/28/2020 3:20:38 AM	50631
Xylenes, Total	ND	0.094		mg/Kg	1	2/28/2020 3:20:38 AM	50631
Surr: 4-Bromofluorobenzene	88.4	80-120		%Rec	1	2/28/2020 3:20:38 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-9 Bottom 1ft

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 10:45:00 AM

Lab ID: 2002981-009

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	400	60		mg/Kg	20	2/28/2020 4:59:56 PM	50753
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/26/2020 9:29:24 PM	50643
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/26/2020 9:29:24 PM	50643
Surr: DNOP	126	55.1-146		%Rec	1	2/26/2020 9:29:24 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/28/2020 3:43:51 AM	50631
Surr: BFB	79.3	66.6-105		%Rec	1	2/28/2020 3:43:51 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/28/2020 3:43:51 AM	50631
Toluene	ND	0.049		mg/Kg	1	2/28/2020 3:43:51 AM	50631
Ethylbenzene	ND	0.049		mg/Kg	1	2/28/2020 3:43:51 AM	50631
Xylenes, Total	ND	0.099		mg/Kg	1	2/28/2020 3:43:51 AM	50631
Surr: 4-Bromofluorobenzene	89.0	80-120		%Rec	1	2/28/2020 3:43:51 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-10 Bottom 1ft

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 10:30:00 AM

Lab ID: 2002981-010

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	400	60		mg/Kg	20	2/28/2020 7:28:08 PM	50769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/26/2020 9:51:27 PM	50643
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/26/2020 9:51:27 PM	50643
Surr: DNOP	132	55.1-146		%Rec	1	2/26/2020 9:51:27 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/28/2020 4:07:00 AM	50631
Surr: BFB	80.7	66.6-105		%Rec	1	2/28/2020 4:07:00 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/28/2020 4:07:00 AM	50631
Toluene	ND	0.047		mg/Kg	1	2/28/2020 4:07:00 AM	50631
Ethylbenzene	ND	0.047		mg/Kg	1	2/28/2020 4:07:00 AM	50631
Xylenes, Total	ND	0.093		mg/Kg	1	2/28/2020 4:07:00 AM	50631
Surr: 4-Bromofluorobenzene	89.9	80-120		%Rec	1	2/28/2020 4:07:00 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-11 Bottom 1 ft

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 10:20:00 AM

Lab ID: 2002981-011

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	340	60		mg/Kg	20	2/28/2020 8:05:11 PM	50769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/26/2020 10:13:10 PM	50643
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/26/2020 10:13:10 PM	50643
Surr: DNOP	94.5	55.1-146		%Rec	1	2/26/2020 10:13:10 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/28/2020 4:30:13 AM	50631
Surr: BFB	80.8	66.6-105		%Rec	1	2/28/2020 4:30:13 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/28/2020 4:30:13 AM	50631
Toluene	ND	0.049		mg/Kg	1	2/28/2020 4:30:13 AM	50631
Ethylbenzene	ND	0.049		mg/Kg	1	2/28/2020 4:30:13 AM	50631
Xylenes, Total	ND	0.098		mg/Kg	1	2/28/2020 4:30:13 AM	50631
Surr: 4-Bromofluorobenzene	90.1	80-120		%Rec	1	2/28/2020 4:30:13 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-12 North Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/20/2020 10:50:00 AM

Lab ID: 2002981-012

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	330	60		mg/Kg	20	2/28/2020 9:06:57 PM	50769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/26/2020 10:34:55 PM	50643
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/26/2020 10:34:55 PM	50643
Surr: DNOP	97.9	55.1-146		%Rec	1	2/26/2020 10:34:55 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/28/2020 4:53:22 AM	50631
Surr: BFB	80.3	66.6-105		%Rec	1	2/28/2020 4:53:22 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/28/2020 4:53:22 AM	50631
Toluene	ND	0.048		mg/Kg	1	2/28/2020 4:53:22 AM	50631
Ethylbenzene	ND	0.048		mg/Kg	1	2/28/2020 4:53:22 AM	50631
Xylenes, Total	ND	0.097		mg/Kg	1	2/28/2020 4:53:22 AM	50631
Surr: 4-Bromofluorobenzene	89.4	80-120		%Rec	1	2/28/2020 4:53:22 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-13 Bottom 1.5ft

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 10:10:00 AM

Lab ID: 2002981-013

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	150	60		mg/Kg	20	2/28/2020 9:19:17 PM	50769
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	24	9.1		mg/Kg	1	2/26/2020 10:56:45 PM	50643
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/26/2020 10:56:45 PM	50643
Surr: DNOP	127	55.1-146		%Rec	1	2/26/2020 10:56:45 PM	50643
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/28/2020 5:16:36 AM	50631
Surr: BFB	78.3	66.6-105		%Rec	1	2/28/2020 5:16:36 AM	50631
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/28/2020 5:16:36 AM	50631
Toluene	ND	0.047		mg/Kg	1	2/28/2020 5:16:36 AM	50631
Ethylbenzene	ND	0.047		mg/Kg	1	2/28/2020 5:16:36 AM	50631
Xylenes, Total	ND	0.094		mg/Kg	1	2/28/2020 5:16:36 AM	50631
Surr: 4-Bromofluorobenzene	87.4	80-120		%Rec	1	2/28/2020 5:16:36 AM	50631

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-14 South Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/20/2020 10:35:00 AM

Lab ID: 2002981-014

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	160	60		mg/Kg	20	2/28/2020 9:31:38 PM	50769
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2020 3:52:35 PM	50636
Surr: BFB	99.0	70-130		%Rec	1	2/25/2020 3:52:35 PM	50636
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	11	9.7		mg/Kg	1	2/26/2020 3:59:55 PM	50644
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/26/2020 3:59:55 PM	50644
Surr: DNOP	126	55.1-146		%Rec	1	2/26/2020 3:59:55 PM	50644
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	2/25/2020 3:52:35 PM	50636
Toluene	ND	0.047		mg/Kg	1	2/25/2020 3:52:35 PM	50636
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2020 3:52:35 PM	50636
Xylenes, Total	ND	0.094		mg/Kg	1	2/25/2020 3:52:35 PM	50636
Surr: 1,2-Dichloroethane-d4	79.3	70-130		%Rec	1	2/25/2020 3:52:35 PM	50636
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	2/25/2020 3:52:35 PM	50636
Surr: Dibromofluoromethane	86.1	70-130		%Rec	1	2/25/2020 3:52:35 PM	50636
Surr: Toluene-d8	98.4	70-130		%Rec	1	2/25/2020 3:52:35 PM	50636

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-15 North Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/20/2020 10:15:00 AM

Lab ID: 2002981-015

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	330	60		mg/Kg	20	2/28/2020 9:43:59 PM	50769
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2020 5:21:17 PM	50636
Surr: BFB	102	70-130		%Rec	1	2/25/2020 5:21:17 PM	50636
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/26/2020 5:12:28 PM	50644
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/26/2020 5:12:28 PM	50644
Surr: DNOP	94.2	55.1-146		%Rec	1	2/26/2020 5:12:28 PM	50644
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	2/25/2020 5:21:17 PM	50636
Toluene	ND	0.050		mg/Kg	1	2/25/2020 5:21:17 PM	50636
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2020 5:21:17 PM	50636
Xylenes, Total	ND	0.10		mg/Kg	1	2/25/2020 5:21:17 PM	50636
Surr: 1,2-Dichloroethane-d4	82.8	70-130		%Rec	1	2/25/2020 5:21:17 PM	50636
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/25/2020 5:21:17 PM	50636
Surr: Dibromofluoromethane	86.6	70-130		%Rec	1	2/25/2020 5:21:17 PM	50636
Surr: Toluene-d8	100	70-130		%Rec	1	2/25/2020 5:21:17 PM	50636

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-16 Bottom 1.5ft

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 9:55:00 AM

Lab ID: 2002981-016

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	160	60		mg/Kg	20	2/28/2020 9:56:19 PM	50769
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2020 5:50:44 PM	50636
Surr: BFB	102	70-130		%Rec	1	2/25/2020 5:50:44 PM	50636
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	14	9.3		mg/Kg	1	2/26/2020 5:36:32 PM	50644
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/26/2020 5:36:32 PM	50644
Surr: DNOP	139	55.1-146		%Rec	1	2/26/2020 5:36:32 PM	50644
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	2/25/2020 5:50:44 PM	50636
Toluene	ND	0.047		mg/Kg	1	2/25/2020 5:50:44 PM	50636
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2020 5:50:44 PM	50636
Xylenes, Total	ND	0.093		mg/Kg	1	2/25/2020 5:50:44 PM	50636
Surr: 1,2-Dichloroethane-d4	79.9	70-130		%Rec	1	2/25/2020 5:50:44 PM	50636
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/25/2020 5:50:44 PM	50636
Surr: Dibromofluoromethane	86.7	70-130		%Rec	1	2/25/2020 5:50:44 PM	50636
Surr: Toluene-d8	96.6	70-130		%Rec	1	2/25/2020 5:50:44 PM	50636

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-17 South Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/20/2020 9:50:00 AM

Lab ID: 2002981-017

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	150	60		mg/Kg	20	2/28/2020 10:08:40 PM	50769
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2020 6:20:08 PM	50636
Surr: BFB	102	70-130		%Rec	1	2/25/2020 6:20:08 PM	50636
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/26/2020 6:00:32 PM	50644
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/26/2020 6:00:32 PM	50644
Surr: DNOP	115	55.1-146		%Rec	1	2/26/2020 6:00:32 PM	50644
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	2/25/2020 6:20:08 PM	50636
Toluene	ND	0.049		mg/Kg	1	2/25/2020 6:20:08 PM	50636
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2020 6:20:08 PM	50636
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2020 6:20:08 PM	50636
Surr: 1,2-Dichloroethane-d4	79.4	70-130		%Rec	1	2/25/2020 6:20:08 PM	50636
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/25/2020 6:20:08 PM	50636
Surr: Dibromofluoromethane	82.9	70-130		%Rec	1	2/25/2020 6:20:08 PM	50636
Surr: Toluene-d8	97.1	70-130		%Rec	1	2/25/2020 6:20:08 PM	50636

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-18 North Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/20/2020 9:35:00 AM

Lab ID: 2002981-018

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	150	60		mg/Kg	20	2/28/2020 10:21:01 PM	50769
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2020 6:49:21 PM	50636
Surr: BFB	100	70-130		%Rec	1	2/25/2020 6:49:21 PM	50636
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	12	10		mg/Kg	1	2/26/2020 6:24:24 PM	50644
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/26/2020 6:24:24 PM	50644
Surr: DNOP	107	55.1-146		%Rec	1	2/26/2020 6:24:24 PM	50644
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	2/25/2020 6:49:21 PM	50636
Toluene	ND	0.049		mg/Kg	1	2/25/2020 6:49:21 PM	50636
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2020 6:49:21 PM	50636
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2020 6:49:21 PM	50636
Surr: 1,2-Dichloroethane-d4	83.6	70-130		%Rec	1	2/25/2020 6:49:21 PM	50636
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/25/2020 6:49:21 PM	50636
Surr: Dibromofluoromethane	89.1	70-130		%Rec	1	2/25/2020 6:49:21 PM	50636
Surr: Toluene-d8	98.4	70-130		%Rec	1	2/25/2020 6:49:21 PM	50636

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-19 Bottom 1ft

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 9:40:00 AM

Lab ID: 2002981-019

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	100	60		mg/Kg	20	2/28/2020 10:33:22 PM	50769
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2020 7:18:37 PM	50636
Surr: BFB	102	70-130		%Rec	1	2/25/2020 7:18:37 PM	50636
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/26/2020 6:48:20 PM	50644
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/26/2020 6:48:20 PM	50644
Surr: DNOP	124	55.1-146		%Rec	1	2/26/2020 6:48:20 PM	50644
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	2/25/2020 7:18:37 PM	50636
Toluene	ND	0.048		mg/Kg	1	2/25/2020 7:18:37 PM	50636
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2020 7:18:37 PM	50636
Xylenes, Total	ND	0.095		mg/Kg	1	2/25/2020 7:18:37 PM	50636
Surr: 1,2-Dichloroethane-d4	81.2	70-130		%Rec	1	2/25/2020 7:18:37 PM	50636
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/25/2020 7:18:37 PM	50636
Surr: Dibromofluoromethane	87.2	70-130		%Rec	1	2/25/2020 7:18:37 PM	50636
Surr: Toluene-d8	102	70-130		%Rec	1	2/25/2020 7:18:37 PM	50636

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-20 South Wall

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 9:30:00 AM

Lab ID: 2002981-020

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	69	60		mg/Kg	20	2/28/2020 11:10:25 PM	50769
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2020 7:47:50 PM	50636
Surr: BFB	101	70-130		%Rec	1	2/25/2020 7:47:50 PM	50636
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/26/2020 7:12:11 PM	50644
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/26/2020 7:12:11 PM	50644
Surr: DNOP	107	55.1-146		%Rec	1	2/26/2020 7:12:11 PM	50644
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	2/25/2020 7:47:50 PM	50636
Toluene	ND	0.050		mg/Kg	1	2/25/2020 7:47:50 PM	50636
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2020 7:47:50 PM	50636
Xylenes, Total	ND	0.10		mg/Kg	1	2/25/2020 7:47:50 PM	50636
Surr: 1,2-Dichloroethane-d4	83.8	70-130		%Rec	1	2/25/2020 7:47:50 PM	50636
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/25/2020 7:47:50 PM	50636
Surr: Dibromofluoromethane	90.7	70-130		%Rec	1	2/25/2020 7:47:50 PM	50636
Surr: Toluene-d8	98.2	70-130		%Rec	1	2/25/2020 7:47:50 PM	50636

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-21 Bottom 1ft

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 2:10:00 PM

Lab ID: 2002981-021

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	400	60		mg/Kg	20	2/28/2020 11:22:47 PM	50769
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2020 8:17:00 PM	50636
Surr: BFB	98.6	70-130		%Rec	1	2/25/2020 8:17:00 PM	50636
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/26/2020 8:23:41 PM	50644
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/26/2020 8:23:41 PM	50644
Surr: DNOP	123	55.1-146		%Rec	1	2/26/2020 8:23:41 PM	50644
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	2/25/2020 8:17:00 PM	50636
Toluene	ND	0.049		mg/Kg	1	2/25/2020 8:17:00 PM	50636
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2020 8:17:00 PM	50636
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2020 8:17:00 PM	50636
Surr: 1,2-Dichloroethane-d4	80.2	70-130		%Rec	1	2/25/2020 8:17:00 PM	50636
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	2/25/2020 8:17:00 PM	50636
Surr: Dibromofluoromethane	88.0	70-130		%Rec	1	2/25/2020 8:17:00 PM	50636
Surr: Toluene-d8	96.5	70-130		%Rec	1	2/25/2020 8:17:00 PM	50636

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2002981

Date Reported: 3/2/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: SP-22 Bottom 1ft

Project: Devon Spud 16 State 8H 2RP 5323

Collection Date: 2/19/2020 2:25:00 PM

Lab ID: 2002981-022

Matrix: SOIL

Received Date: 2/22/2020 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	340	60		mg/Kg	20	2/28/2020 11:35:08 PM	50769
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2020 8:46:05 PM	50636
Surr: BFB	101	70-130		%Rec	1	2/25/2020 8:46:05 PM	50636
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/26/2020 8:47:19 PM	50644
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/26/2020 8:47:19 PM	50644
Surr: DNOP	98.4	55.1-146		%Rec	1	2/26/2020 8:47:19 PM	50644
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	2/25/2020 8:46:05 PM	50636
Toluene	ND	0.050		mg/Kg	1	2/25/2020 8:46:05 PM	50636
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2020 8:46:05 PM	50636
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2020 8:46:05 PM	50636
Surr: 1,2-Dichloroethane-d4	81.3	70-130		%Rec	1	2/25/2020 8:46:05 PM	50636
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	2/25/2020 8:46:05 PM	50636
Surr: Dibromofluoromethane	86.5	70-130		%Rec	1	2/25/2020 8:46:05 PM	50636
Surr: Toluene-d8	98.9	70-130		%Rec	1	2/25/2020 8:46:05 PM	50636

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2002981

02-Mar-20

**Client:** Safety & Environmental Solutions  
**Project:** Devon Spud 16 State 8H 2RP 5323

Sample ID: <b>MB-50753</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>50753</b>	RunNo: <b>66896</b>								
Prep Date: <b>2/28/2020</b>	Analysis Date: <b>2/28/2020</b>	SeqNo: <b>2301962</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-50753</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>50753</b>	RunNo: <b>66896</b>								
Prep Date: <b>2/28/2020</b>	Analysis Date: <b>2/28/2020</b>	SeqNo: <b>2301963</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Sample ID: <b>MB-50769</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>50769</b>	RunNo: <b>66896</b>								
Prep Date: <b>2/28/2020</b>	Analysis Date: <b>2/28/2020</b>	SeqNo: <b>2302003</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-50769</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>50769</b>	RunNo: <b>66896</b>								
Prep Date: <b>2/28/2020</b>	Analysis Date: <b>2/28/2020</b>	SeqNo: <b>2302004</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2002981

02-Mar-20

**Client:** Safety & Environmental Solutions**Project:** Devon Spud 16 State 8H 2RP 5323

Sample ID: <b>LCS-50681</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>50681</b>		RunNo: <b>66803</b>							
Prep Date: <b>2/26/2020</b>	Analysis Date: <b>2/26/2020</b>		SeqNo: <b>2297105</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		5.000		90.3	55.1	146			

Sample ID: <b>MB-50681</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>50681</b>		RunNo: <b>66803</b>							
Prep Date: <b>2/26/2020</b>	Analysis Date: <b>2/26/2020</b>		SeqNo: <b>2297106</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.9		10.00		99.1	55.1	146			

Sample ID: <b>LCS-50643</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>50643</b>		RunNo: <b>66803</b>							
Prep Date: <b>2/25/2020</b>	Analysis Date: <b>2/26/2020</b>		SeqNo: <b>2297433</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	70	130			
Surr: DNOP	5.3		5.000		106	55.1	146			

Sample ID: <b>MB-50643</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>50643</b>		RunNo: <b>66803</b>							
Prep Date: <b>2/25/2020</b>	Analysis Date: <b>2/26/2020</b>		SeqNo: <b>2297434</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		120	55.1	146			

Sample ID: <b>2002981-014AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>SP-14 South Wall</b>	Batch ID: <b>50644</b>		RunNo: <b>66811</b>							
Prep Date: <b>2/25/2020</b>	Analysis Date: <b>2/26/2020</b>		SeqNo: <b>2298144</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	70	8.9	44.64	10.84	133	47.4	136			
Surr: DNOP	5.5		4.464		124	55.1	146			

Sample ID: <b>2002981-014AMSD</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>SP-14 South Wall</b>	Batch ID: <b>50644</b>		RunNo: <b>66811</b>							
Prep Date: <b>2/25/2020</b>	Analysis Date: <b>2/26/2020</b>		SeqNo: <b>2298145</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	9.5	47.44	10.84	101	47.4	136	18.0	43.4	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2002981

02-Mar-20

**Client:** Safety & Environmental Solutions**Project:** Devon Spud 16 State 8H 2RP 5323

Sample ID: <b>2002981-014AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>SP-14 South Wall</b>	Batch ID: <b>50644</b>	RunNo: <b>66811</b>								
Prep Date: <b>2/25/2020</b>	Analysis Date: <b>2/26/2020</b>	SeqNo: <b>2298145</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		4.744		88.9	55.1	146	0	0	

Sample ID: <b>LCS-50644</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>50644</b>	RunNo: <b>66811</b>								
Prep Date: <b>2/25/2020</b>	Analysis Date: <b>2/26/2020</b>	SeqNo: <b>2298163</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	70	130			
Surr: DNOP	4.9		5.000		98.3	55.1	146			

Sample ID: <b>MB-50644</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>50644</b>	RunNo: <b>66811</b>								
Prep Date: <b>2/25/2020</b>	Analysis Date: <b>2/26/2020</b>	SeqNo: <b>2298164</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		115	55.1	146			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2002981

02-Mar-20

**Client:** Safety & Environmental Solutions**Project:** Devon Spud 16 State 8H 2RP 5323

Sample ID: <b>mb-50631</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>50631</b>	RunNo: <b>66878</b>								
Prep Date: <b>2/24/2020</b>	Analysis Date: <b>2/27/2020</b>	SeqNo: <b>2299731</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	820		1000		82.5	66.6	105			

Sample ID: <b>lcs-50631</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>50631</b>	RunNo: <b>66878</b>								
Prep Date: <b>2/24/2020</b>	Analysis Date: <b>2/27/2020</b>	SeqNo: <b>2299732</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.6	80	120			
Surr: BFB	940		1000		93.9	66.6	105			

Sample ID: <b>mb-50678</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>50678</b>	RunNo: <b>66892</b>								
Prep Date: <b>2/25/2020</b>	Analysis Date: <b>2/28/2020</b>	SeqNo: <b>2301157</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	830		1000		83.4	66.6	105			

Sample ID: <b>lcs-50678</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>50678</b>	RunNo: <b>66892</b>								
Prep Date: <b>2/25/2020</b>	Analysis Date: <b>2/28/2020</b>	SeqNo: <b>2301158</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	890		1000		88.9	66.6	105			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2002981

02-Mar-20

**Client:** Safety & Environmental Solutions**Project:** Devon Spud 16 State 8H 2RP 5323

Sample ID: <b>mb-50631</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>50631</b>	RunNo: <b>66878</b>								
Prep Date: <b>2/24/2020</b>	Analysis Date: <b>2/27/2020</b>	SeqNo: <b>2299780</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.2	80	120			

Sample ID: <b>LCS-50631</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>50631</b>	RunNo: <b>66878</b>								
Prep Date: <b>2/24/2020</b>	Analysis Date: <b>2/27/2020</b>	SeqNo: <b>2299781</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.80	0.10	1.000	0	80.1	20.7	175			
Benzene	0.89	0.025	1.000	0	88.6	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.5	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.1	80	120			

Sample ID: <b>mb-50678</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>50678</b>	RunNo: <b>66892</b>								
Prep Date: <b>2/25/2020</b>	Analysis Date: <b>2/28/2020</b>	SeqNo: <b>2301205</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.90		1.000		89.9	80	120			

Sample ID: <b>LCS-50678</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>50678</b>	RunNo: <b>66892</b>								
Prep Date: <b>2/25/2020</b>	Analysis Date: <b>2/28/2020</b>	SeqNo: <b>2301206</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	80	120			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2002981

02-Mar-20

**Client:** Safety & Environmental Solutions**Project:** Devon Spud 16 State 8H 2RP 5323

Sample ID: <b>mb-50636</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>PBS</b>	Batch ID: <b>50636</b>	RunNo: <b>66802</b>								
Prep Date: <b>2/24/2020</b>	Analysis Date: <b>2/25/2020</b>	SeqNo: <b>2297048</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.40		0.5000		80.8	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.43		0.5000		85.8	70	130			
Surr: Toluene-d8	0.50		0.5000		99.6	70	130			

Sample ID: <b>lcs-50636</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>50636</b>	RunNo: <b>66802</b>								
Prep Date: <b>2/24/2020</b>	Analysis Date: <b>2/25/2020</b>	SeqNo: <b>2297050</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	80.9	70	130			
Toluene	0.97	0.050	1.000	0	96.6	70	130			
Surr: 1,2-Dichloroethane-d4	0.41		0.5000		82.7	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.44		0.5000		88.7	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2002981

02-Mar-20

**Client:** Safety & Environmental Solutions**Project:** Devon Spud 16 State 8H 2RP 5323

Sample ID: <b>mb-50636</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>50636</b>	RunNo: <b>66802</b>								
Prep Date: <b>2/24/2020</b>	Analysis Date: <b>2/25/2020</b>	SeqNo: <b>2297075</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	510		500.0		101	70	130			

Sample ID: <b>lcs-50636</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>50636</b>	RunNo: <b>66802</b>								
Prep Date: <b>2/24/2020</b>	Analysis Date: <b>2/25/2020</b>	SeqNo: <b>2297076</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.5	70	130			
Surr: BFB	510		500.0		103	70	130			

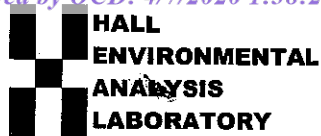
Sample ID: <b>2002981-014ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>								
Client ID: <b>SP-14 South Wall</b>	Batch ID: <b>50636</b>	RunNo: <b>66802</b>								
Prep Date: <b>2/24/2020</b>	Analysis Date: <b>2/25/2020</b>	SeqNo: <b>2297078</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.73	0	103	70	130			
Surr: BFB	510		494.6		103	70	130			

Sample ID: <b>2002981-014amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>								
Client ID: <b>SP-14 South Wall</b>	Batch ID: <b>50636</b>	RunNo: <b>66802</b>								
Prep Date: <b>2/24/2020</b>	Analysis Date: <b>2/25/2020</b>	SeqNo: <b>2297079</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.8	24.11	0	105	70	130	0.263	20	
Surr: BFB	490		482.2		101	70	130	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: Safety Env Solutions

Work Order Number: 2002981

RcptNo: 1

Received By: Yazmine Garduno

2/22/2020 9:05:00 AM

Yazmine Garduno

Completed By: Yazmine Garduno

2/22/2020 11:13:38 AM

Yazmine Garduno

Reviewed By: JR 2/24/20

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: YG 2/24/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.8	Good				
2	4.2	Good				

## Chain-of-Custody Record

Client: Safety & EnvironmentalSolutionMailing Address: 703 E. ClintonHobbs N.M. 88240

Phone #:

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other☐ EDD (Type)

Turn-Around Time:

5 day turn☒ Standard ☐ RushProject Name: DENVSPUD 16 STATE-8H2RP-5323

Project #:

DENV-19-002

Project Manager:

Bob Allen

Sampler:

Steve PerryOn loc: ☒ Yes ☐ NoSample Temperature: 25.6

Container Type and #

Preservative Type

HEAL No.

Date

Time

Sample Request ID

Matrix

Date

Time

Sample Request ID

Matrix

Date

Time

Sample Request ID

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Sample Request ID



<b>Chain-of-Custody Record</b>		Turn-Around Time: <u>5 day turn</u>
Client: <u>Safety &amp; Environmental</u>	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
<u>Solution</u>	Project Name: <u>DeJon</u>	
Mailing Address: <u>703. E. Clinton</u>	<u>SPUD 16 STATE 8th</u>	
<u>6666bs N.W. 88290</u>	<u>2 RP-5323</u>	
Phone #: <u>575-397-0510</u>	Project #: <u>DEV-19-002</u>	

Turn-Around Time: 1.1 hrs

**Client:**

Subject: Environmental

PCV

Mailing Address: 703. E. Clinton

6066 N.W. 88240

Phone #: 575-397-0510

email or Fax#:

QA/QC Package:

☒ Standard

## Accreditation

☐ NEI AP ☐ Other☐ EDD (Type)

Date	Time	Matrix	Sample Request ID
------	------	--------	-------------------

Date

time

## Matrix

Sample Request ID

23/09/2017	✓	50.17	2	150
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02/9	1010	5	3-13	286m	157
1	120	5	10-17	27	

02/20/05	5	SP-14	SP-5A	WMA11
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02/20/015 SPY5 North

[illegible]

06/17	0-1/1	W	5/16	28 Nov 11
13/9	1-1/1	W	5/17	5 Dec 11

0440	0930	0P-1/300: Jam
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0220	0935	8	SP-18	2006	25.41
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0219 0940 S SP-19 Boston 1941

6749	(370)	<	CD 70	S85H	11555
6749	(370)	<	CD 70	S85H	11555

[illegible]

064	1910	3	8	27	23	2	1
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6/1/20	C267	✓	Spencer	15
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